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## Document Number 1

Entry 1 of 1

File: USPT

Dec 29, 1992

US-PAT-NO: 5175102

DOCUMENT-IDENTIFIER: US 5175102 A

TITLE: Modification of plant viruses or their effects

DATE-ISSUED: December 29, 1992

INT-CL: [5] C12N 15/00, C12N 7/00, A01H 1/04

US-CL-ISSUED: 435/172.3, 435/235.1, 435/320.1, 800/205,  
935/30, 935/64, 935/67US-CL-CURRENT: 800/279; 435/235.1, 435/320.1, 800/294,  
800/301FIELD-OF-SEARCH: 435/172.3, 435/235.1, 435/320.1,  
800/205, 935/30, 935/64, 935/67[Main Menu](#) [Search Form](#) [Result Set](#) [Show S Numbers](#) [Edit S Numbers](#) [Referring Patents](#)[First Hit](#)[Previous Document](#)[Next Document](#)[Full](#)[Title](#)[Citation](#)[Front](#)[Review](#)[Classification](#)[Date](#)[Reference](#)[Claims](#)[KMIC](#)[Help](#)[Logout](#)

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## Document Number 1

Entry 1 of 1

File: USPT

Jul 27, 1993

US-PAT-NO: 5231020

DOCUMENT-IDENTIFIER: US 5231020 A

TITLE: Genetic engineering of novel plant phenotypes

DATE-ISSUED: July 27, 1993

INT-CL: [5] C12N 15/63, C12N 15/29

US-CL-ISSUED: 435/172.3; 435/320.1, 800/205, 800/DIG.67,  
935/30, 935/35, 935/67

US-CL-CURRENT: 800/281; 435/320.1, 800/282

FIELD-OF-SEARCH: 800/205, 800/DIG.9, 800/DIG.67,  
435/172.3, 435/320.1, 935/35, 935/64, 935/67, 935/30,  
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## Document Number 1

Entry 1 of 1                      File: USPT                      Feb 1, 1994  
US-PAT-NO: 5283184  
DOCUMENT-IDENTIFIER: US 5283184 A

TITLE: Genetic engineering of novel plant phenotypes

DATE-ISSUED: February 1, 1994

INT-CL: [5] C12N 15/29, C12N 15/82, A01H 4/00

US-CL-ISSUED: 435/172.3; 800/205, 800/DIG.67,  
800/DIG.12, 435/320.1, 935/30, 935/35, 935/64, 935/67

US-CL-CURRENT: 800/285; 435/320.1, 800/300, 800/317.3,  
800/323.1, 800/323.2

FIELD-OF-SEARCH: PLT/82.1, PLT/77, PLT/80, PLT/82.4,  
800/200, 800/205, 800/DIG.67, 800/DIG.12, 435/172.3,  
435/320.1, 935/35, 935/64, 935/67, 935/30

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## Document Number 1

Entry 1 of 1 File: USPT Nov 5, 1996

US-PAT-NO: 5571706

DOCUMENT-IDENTIFIER: US 5571706 A

TITLE: Plant virus resistance gene and methods

DATE-ISSUED: November 5, 1996

INT-CL: [6] C12N 15/00, C12N 5/14, A01H 1/04, C07H 17/00

US-CL-ISSUED: 435/172.3; 435/69.1, 435/240.4, 800/205,  
800/DIG.40, 800/DIG.43, 800/DIG.44, 536/23.6US-CL-CURRENT: 800/279; 435/69.1, 536/23.6, 800/301FIELD-OF-SEARCH: 800/205, 800/DIG.40, 800/DIG.43,  
800/DIG.44, 536/23.6, 435/69.1, 435/172.3, 435/240.4,  
435/320.1

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## Document Number 1

Entry 1 of 1 File: USPT Dec 31, 1996

US-PAT-NO: 5589612

DOCUMENT-IDENTIFIER: US 5589612 A

TITLE: Virus resistant plants transformed with a PVY  
protease gene

DATE-ISSUED: December 31, 1996

INT-CL: [6] C12N 15/40, C12N 5/14, C12N 15/82, A01H 5/00

US-CL-ISSUED: 800/205; 536/23.2, 536/23.72, 536/24.1,  
435/172.3, 435/240.4, 435/252.3, 435/69.1, 435/219US-CL-CURRENT: 800/280; 435/252.3, 435/69.1, 536/23.2,  
536/23.72, 536/24.1, 800/301FIELD-OF-SEARCH: 800/205, 800/DIG.42, 536/23.2,  
536/23.72, 536/24.1, 935/67, 435/172.3, 435/240.4,  
435/252.3, 435/69.1, 435/219

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## Document Number 1

Entry 1 of 1

File: USPT

Dec 31, 1996

US-PAT-NO: 5589612

DOCUMENT-IDENTIFIER: US 5589612 A

TITLE: Virus resistant plants transformed with a PVY protease gene

DATE-ISSUED: December 31, 1996

INT-CL: [6] C12N 15/40, C12N 5/14, C12N 15/82, A01H 5/00

US-CL-ISSUED: 800/205; 536/23.2, 536/23.72, 536/24.1, 435/172.3, 435/240.4, 435/252.3, 435/69.1, 435/219

US-CL-CURRENT: 800/280; 435/252.3, 435/69.1, 536/23.2, 536/23.72, 536/24.1, 800/301

FIELD-OF-SEARCH: 800/205, 800/DIG.42, 536/23.2, 536/23.72, 536/24.1, 935/67, 435/172.3, 435/240.4, 435/252.3, 435/69.1, 435/219

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## Document Number 1

Entry 1 of 1 File: USPT Dec 10, 1996

US-PAT-NO: 5583021

DOCUMENT-IDENTIFIER: US 5583021 A

TITLE: Production of virus resistant plants

DATE-ISSUED: December 10, 1996

INT-CL: [6] C12N 15/83, C12N 15/33, A01H 5/00

US-CL-ISSUED: 435/172.3; 435/240.4, 435/252.3,  
435/320.1, 536/23.72, 800/205US-CL-CURRENT: 800/280; 435/252.3, 435/320.1, 435/418,  
435/419, 435/468, 435/469, 435/470, 536/23.72, 800/301FIELD-OF-SEARCH: 435/172.3, 435/240.4, 435/252.3,  
435/320.1, 536/23.72, 800/205

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